

ABSTRACT OF THE DISCLOSURE

The invention relates to a method to use a perforating gun in oil and natural gas wells, comprising: a perforating gun with a loading tube and explosive charge; the gun comprises: a first layer disposed over the loading tube and at least one outer layer in engagement over the first layer; the outer layer is a solid structure with scallop openings disposed therein and the scallops are in the solid structure in a defined pattern; wherein the method comprises: suspending the gun with a loading tube and explosive charge in a well bore wherein the gun has a longitudinal axis parallel to the sides of the well bore; detonating the explosive charge in the gun; permitting a gas jet to pierce the first layer and outer layer of the gun perpendicular to the longitudinal axis of the gun, well casing and to enter and fracture the strata surrounding the well.